WHAT IS CLAIMED IS:

1. An image processing method, which creates a table for separating color into color of coloring agent available in an image formation apparatus,

5 characterized in that:

a maximum line in a color reproduction region of the image formation apparatus is defined;

internal lines in the color reproduction region of the image formation apparatus are defined; and

10 interpolation processing is executed on the basis of the maximum line and the internal lines, thereby creating the table.

2. An image processing method, which creates a

15 table for separating color into color of coloring agent available in an image formation apparatus, characterized in that:

a first line from black to white is defined;

plural second lines from white to primary color

20 and secondary color are defined,

plural third lines from the primary color and the secondary color to black are defined; and

the table is created according to the first line, the second lines and the third lines.

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3. A method according to Claim 2, wherein it is possible to control ink dyeing points on the first line

and the third lines.

4. A method according to Claim 3, wherein the control of the ink dyeing points is performed on the basis of a manual instruction by a user.

5. A method according to Claim 2, wherein a start of dyeing dark coloring agent on the first line, the second lines and the third lines is controlled in an image processing method which creates a table of an image formation apparatus for performing an image formation using plural coloring agents having different density for the same color.

6. A method according to Claim 2, wherein a coloring agent quantity contour line is calculated on the basis of the coloring agent quantity on each side of a plane defined by the plural coloring agents.

7. A method according to Claim 6, wherein non-linear curve approximation processing is used in case of forming the coloring agent quantity contour line.

8. A method according to Claim 2, wherein a cube indicating a color space is divided into plural tetrahedrons, and interpolation processing is executed by connecting points having the same coloring agent

quantity on three sides of each triangle indicating side planes of the divided tetrahedrons.

5 9. An image processing apparatus, which creates a table for separating color into color of coloring agent available in an image formation apparatus, comprising:

means for defining a first line which is from white to black;

means for defining plural second lines which are
10 from white to primary color and secondary color;

means for defining plural third lines which are from the primary color and the secondary color to black; and

means for creating the table according to the
15 first line, the second lines and the third lines.

10. A program for realizing an image processing method which creates a table for separating color into color of coloring agent available in an image formation
20 apparatus characterized in that

a first line from black to white is defined;

plural second lines from white to primary color and secondary color are defined;

plural third lines from the primary color and the
25 secondary color to black are defined; and

the table is created according to the first line, the second lines and the third lines.